

L 07893-67

ACC NR: AF6021635

2
pressor. The products of the chemonuclear synthesis are produced continuously as the gas mixture flows through a thermostatically maintained irradiator located in the vertical experimental channel of a research reactor. The irradiator tubes are filled with finely dispersed nuclear fuel, such as glass wool containing U^{235} , P^{10} , or Li^6 . Another version of the irradiator, in which the fuel is deposited on discs, is also used. The reactor products are extracted from the gas mixture in a block of traps. A filter block decontaminates the gas mixture. The apparatus can also be used with other sources of ionizing radiation (electron accelerator, cyclotron, or cobalt installation). The apparatus described was tested with the electronic accelerator of the Institute of Chemical Physics AN SSSR, in the IRT-1000 reactor of the Institute of Atomic Energy im. I. V. Kurchatov, and in the IRT-2000 reactor of the Institute of Nuclear Power AN BSSR. The experiments have shown that the KhYaU-4 apparatus permits investigation of chemonuclear synthesis processes in various gas systems. Orig. art. has: 3 figures.

SUB CODE: 18/ SUBM DATE: 14Aug65/ ORIG REF: 001/ OTH REF: 001

Card

2/2 *gk*

RUSKEVICH, N.L.; NOGIN, T.A., inzhener, retsenzent.

[New methods of drawing graphs in axonometric and gnomonic projections] Novye metody vycherchivaniia nagliadnykh izobrazhenii v aksonometricheskikh i tsentral'nykh proektsiakh. Moskva, Gos. nauchn-tekhn. izd-vo mashinostroitel'noi i sudostroitel'noi lit-ry, 1953. 62 p. (MLRA 7:8)
(Projection)

RUSKEVICH, Nikolay Lukich; VARENIK, M.I., otv. red.; TRET'YAKOVA,
A.N., red.; TROFIMENKO, A.S., tekhn. red.

[Descriptive geometry] Nachertatel'naya geometriia. Khar'kov,
Izd-vo Khar'kovskogo gos. univ., im. A.M.Gor'kogo. 1961. 331 p.
(MIRA 15:3)

(Geometry, Descriptive)

24184

S/118/61/000/006/001/002
D/204/D306

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AUTHORS:

Kukhtevich, G.M., Litvinenko, N.A. and
Russkevich, Yu. N., Engineers

TITLE:

Automatic checking of pipes

PERIODICAL:

Mekhanizatsiya i avtomatizatsiya proizvodstva,
no. 6, 1961, 21-23

TEXT:

The Ukrainskiy nauchnoissledovatel'skiy trubnyy institut (Ukrainian Scientific Research Pipe Institute) has developed an apparatus for automatically checking the wall thickness of pipes during production. It consists of a thickness gauge and an automatic checking block. The thickness gauge is based on the Eddy current and can detect differences of wall thickness of a pipe round its perimeter and along its length. It has a short time lag which is important when the signal caused by a difference in wall thickness is short and when it is necessary to transmit it quickly to a recording mechanism. Its recording mechanism can be

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used as a part of the thickness gauge for checking the pipes manufactured from a non-magnetic material. A standard pipe made from the same material as the measured one is used by this apparatus for detecting the difference in wall thickness. This thickness gauge indicates the difference in wall thickness by means of a mid-scale zero ammeter calibrated in microns and connected to a finger type detector. The automatic checking block switches off the engine moving the pipe into the gauge by means of the light signal when the deviation from the wall thickness is bigger than the given tolerances. Since the thickness gauge detects the positive and negative sign of deviation of the wall thickness then the automatic block circuit has two pulse height discriminators, each of which is designed for emitting the signal of specific polarity. The circuit can be adjusted for different values of the threshold voltage for each discriminator. Potentiometers R_{10} and R_{21} are used for signal limitation by means of a discriminating voltage. Pulse

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height discriminators are tuned on crystal diodes D_1 , D_2 , D_3 and D_4 . To express clearly the threshold of discrimination the operating point should be on the rectilinear portion of the diode characteristic, and direct current amplifiers in the form of semiconductor triodes Π_1 and Π_2 are connected before the discriminator.

The bigger the coefficient of cascade amplification, the shorter the signal and smaller the accuracy of the automatic block. For this automatic block, the accuracy is 2-3%. The source of supply should be stabilized to keep the magnitude of the threshold voltage and the amplifier supply voltage constant. The lamp L_3 , Fig. 1

indicates the supply voltage to the thickness gauge. When the deviation from the wall thickness is bigger than the given tolerances, the polarized relay P_1 is actuated and closes the corresponding circuit of signal lamp L_1 or L_2 . Simultaneously, the

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actuated relay P_2 switches off the drive mechanism of the pipes.
The apparatus gave good results. There are 2 figures.

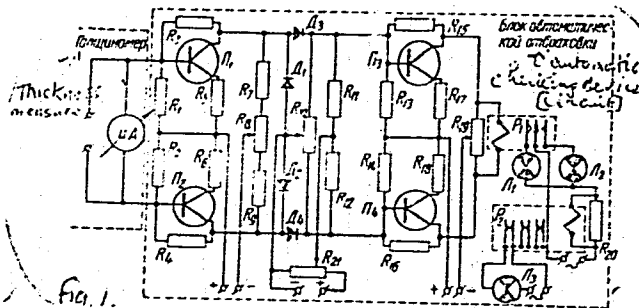


Fig. 1

Card 4/4

TRUSILIN, Yu.; RUSSEIKH, A.

For better planning and economic accountability at grain elevators.
Muk.-elev.prom. 26 no.1:9-11 Ja '60. (MIRA 13:6)

1. Nachal'nik planovo-finansovogo otдела Vologodskogo upravleniya
khleboproduktov (for Trusilin). 2. Glavnyy bukhgalter Iskitimskogo
khlebopriyemnogo punkta Novosibirskogo upravleniya khleboproduktov
(for Russeikh).

(Grain elevators)

GERNET, Ye. V.; RUSSKIKH, A.A.

Determination of aniline vapors in air. Zav.lab. 26 no.1:
58 '60. (MIRA 13:5)

1. Gor'kovskiy nauchno-issledovatel'skiy institut gigiyeny truda
i profbolezney.
(Aniline) (Air--Analysis)

GERIYOT, Ye.V.; RUSSKIKH, A.A. (Gor'kiy)

Rapid method for the determination of hydrogen sulfide in the
air. Gig.truda i prof.zab. 3 no.3:51-54 My-Je '59.
(MIRA 12:10)

1. Institut gigiyeny truda i proffbolezney.
(HYDROGEN SULFIDE)

SOV/137-58-9-20307

Translation from: Referativnyy zhurnal, Metallurgiya, 1958, Nr 9, p 313 (USSR)

AUTHORS: Korenman, I.M., Russkikh, A.A.

TITLE: Nephelometric Microdetermination of Chlorides and Lead
(Nefelometricheskoye mikroopredeleniye khlorida i svintsa)

PERIODICAL: Nauchn. raboty khim. labor. Gor'kovsk. n.-i. in-ta gıgiyeny
i profbolezney, 1957, Nr 6, pp 17-22

ABSTRACT: The nephelometric microanalysis method was developed for the determination of chlorides and Pb in small amounts of solution by the method of standard series of 0.1-5.0 γ in 5-100 $\mu\ell$ of solution with a relative error of 5-6%. The determination of chlorides is carried out with AgNO_3 , after the addition of which the solution is centrifuged and, after 10-15 min, its turbidity is compared. The maximum absolute error in the volume analyzed is 0.25 γ . For the determination of Pb the reaction with K chromate in the presence of CH_3COONa in 1% CH_3COOH is used. To determine Pb, 10 $\mu\ell$ of the standard solution containing 0-0.5 γ Pb^{2+} is introduced into a series of test tubes each containing 10 $\mu\ell$ of the solution, after which the

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Nephelometric Microdetermination of Chlorides and Lead

solutions are centrifuged. To $5\mu\text{l}$ of the solution are added $5\mu\text{l}$ of 1:3 aqueous solution of glycerol and $5\mu\text{l}$ of K chromate, the mixture is again centrifuged, stirred with a glass thread and after 20 min compared against a dark background. Results of determinations in 50 and $10\mu\text{l}$ of solution are adduced. The method is applicable for the determination of Pb in small volumes of air in the workshops of industrial establishments.

K.K.

1. Chlorides--Determination
 2. Lead--Determination
 3. Microanalysis
- Applications

Card 2/2

OSTROUMOV, V.M.; RUSSKIKH, A.M.

Mass observations of natural phenomena by elementary school students of grades 3 and 4. Izv. Alt. otd. Geog. ob-va SSSR no.5:209-210 '65. (MIRA 18:12)

1. Altayskiy otdel Geograficheskogo obshchestva Soyuza SSR.

1. RUSSKIKH, A. P.

2. USSR (600)

4. Minks

7. Changes in mink for according to age and season. Kar. i zver. 5no. 5, 1952.

9. Monthly List of Russian Accessions, Library of Congress, January, 1953. Unclassified.

ACC NR: AR7000940

SOURCE CODE: UR/0273/66/000/010/0034/0034

AUTHOR: Isayev, A. I. ; Russkikh, F. P.

TITLE: Role of the elements of a fuel pump in the organization of the process of fuel supply

SOURCE: Ref. zh. Dvigateli vnutrennego sgoraniya, Abs. 10.39.250

REF SOURCE: Tr. Permsk. s. -kh. in-t, no. 34, 1966, 3-16

TOPIC TAGS: engine fuel pump, internal combustion engine, fuel pump, fuel supply, internal combustion

ABSTRACT: An account is given of studies conducted to determine the effects of the basic elements of a fuel pump on the process of fuel supply. The study was conducted by computing the supply of fuel on a digital computer. The object of the study was a fuel unit consisting of a nozzle pump an FSh 1.5 x 15 4TH 8.5 x 10, and a connecting high-pressure manifold with a 2-mm internal diameter. [Translation of abstract] [SP]

SUB CODE: 21/

Card 1/1

UDC: 621.43.038.001.5

RUSSKHIKH, K.

New methods of work. Zhil.-kom.khoz. 10 no.2:3-4 '60.
(MIRA 13:5)

1. Zaveduyushchiy Belgorodskim oblkomkhozom, Belgorod.
(Belgorod Province--Municipal services)

RUSSKIKH, L.K., inzh.

Use of capron deadwood bushings. Sudostroenie 29 no.9:54-55
S '63. (MIRA 16:11)

RUSSKIKH, L.K., inzh.; TARANOV, V.M., inzh.

Hydraulic press for capron casting. Sudostroeniye 29 no. 3:56
Mr '63. (MIRA 16:4)

(Plastics--Molding)

RUSSKIKH, L.P.

Some results of investigating the transverse circulation caused
by changes in the discharge distribution in a rectilinear channel.
Izv. AN Kazakh. SSR. Ser. energ. no.2:38-48 '60. (MIRA 14:3)
(Hydraulics)

RUSSKIKH, L. P.

Hydraulic aspects of an intake structure with an inclined
lattice section in the dam. Izv. AN Kazakh. SSR. Ser. energ.
no. 2:100-106 '62. (MIRA 16:1)

(Intakes(Hydraulic engineering))

RUSKIKH, M. V.

"The Clinical Problems and Treatment of Poliomyelitis During the Convalescent Period." Cand Med Sci, Acad Med Sci USSR, 12 Jan 55. (VM, 30 Dec 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (12)
SO: Sum. No. 556, 24 Jun 55

RUSSKIKH, N.S., mashinist, delegat XXII s"yezda Kommunisticheskoy partii
Sovetskogo Soyuzu

Obligations and tasks of the Sverdlovsk railroad workers. Elek.
i tepl.tiaga 6 no.7:7 F '62. (MIRA 15:2)

1. Depo Sverdlovsk-Sortirovochnyy.
(Sverdlovsk--Electric locomotives--Maintenance and repair)

PIONTKOVSKAYA, S.P.; RUSSEIKH, P.A.; AYZENSHTADT, D.S.

Ectoparasites of rodents of the family Muridae and of the insectivores
of Transcarpathia. Vop.kraev., ob.i eksp.paraz. i med.zool. 9:81-86
'55. (MIRA 10:1)

(TRANSCARPATIA—INSECTS)

(PARASITES—RODENTIA)

(SHREWS—DISEASES AND PESTS)

RUSSKIKH, P.A., PIONTKOVSKAYA, S.P., and AYZENSHTADT, D.S.

"The Fauna of Extoparasites of Mouselike Rodents and Insectivoreae of Transcarpathia", Problems of Regional, General, and Experimental Parasitology and Medical Zoology, Vol. 9, 1955.

Division of Parasitology and Medical Zoology, Inst. Epidemiology and Microbiology
imeni N.F. Gamaleya, AMS USSR

Sum. 1305

105-4-10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845

... methods of operational research in construction. Vych. i
org.tekh. v stroi. i proekt. no.2:13-17 '64. (MIR

(MIRA 18:10)

1. Gosudarstvennyy institut tipovogo i eksperimental'nogo
proyektirovaniya i tekhnicheskikh issledovaniy Gosstroya SSSR.

RUSSKIKH, V.A., kand.tekhn.nauk

Use of probable and statistical estimates in the study of operations
in construction. Vych. i org.tekh. v stroi. i proekt. no.3:13-21
'64. (MIRA 18:10)

1. Gosudarstvennyy institut tipovogo i eksperimental'nogo
proyektirovaniya i tekhnicheskikh issledovaniy Gosstroya SSSR.

RUSSKIKH, V.A.; SMIRNOVA, V.G.; BABOCHKINA, M.S.

Industrial hygiene in the production of thionyl chloride. Trudy
GIGT no.9:21-28 '62. (MIRA 17:9)

BELOKON', Anatoliy Prokof'yevich, dotsent, kand.voyennykh nauk, polkovnik
zapasa. Primali uchastiye: SUKHAREV, kand.voyennykh nauk,
polkovnik; HUSSIKH, V.A., kand.tekhn.nauk, polkovnik; IVASHIN,
V.A., kand.tekhn.nauk, polkovnik; BABANIN, B.V., red.; SRIBNIS,
N.V., tekhn.red.

[Engineering facilities in the zone of defense of a rifle
company] Inzhenernoe oborudovanie raiona oborony strelkovoi rot.
Moskva, Voen.izd-vo M-va obor.SSSR, 1960. 250 p. (MIRA 14:3)

(Fortification, Field)

RUSSKIKH, V.A.

Work of mobile detachments in serving the population of the
Khanty-Mansiysk National Area (Tyumen Province) Zdrav.Ros.
Feder. 6 no.11:10-14 N '62. (MIRA 15:12)

1. Zamestitel' glavnogo vracha Khanty-Mansiyskoy okruzhnoy
bol'nitsy, Tyumenskaya oblast'.
(KHANTY-MANSIYSK NATIONAL AREA--MEDICAL CARE)

GOSTISHCHEV, V.S.; RUSSKIKH, V.I.

Automatic control of paint spreaders by means of radioisotope
devices. Biul.tekh.-ekon.inform.Gos.nauch.-issl.inst.nauch.i
tekh.inform. 17 no.1:49-50 '64. (MIRA 17:2)

RUSSKIKH, V.N.; BEREZAYEV, A.N.

Method for the calculation of fluid inflow to a well based on data obtained by means of a small radiation logging tool.

Nefteprom. delo no.203-5'63

(MIRA 17:7)

1. TSekh nauchno-issledovatel'skikh i proizvodstvennykh rabot i promysl No.5 neftepromyslovogo upravleniya "Tuymazanskiy"

RUSSKIKH, Valentin Nikolayevich; RUSSKIKH, V.V.

[Analysis of the structural changes and pathogenesis of
brain diseases; dysplasia of the brain and the dystrophic
processes related to metabolic disturbances] Analiz
strukturnykh izmenenii i patogenez boleznei mozga; displazii
mozga i distroficheskie protsessy, svyazannye s narusheniem
obmena veshchestv. Moskva, 1959. 383 p. (MIRA 13:2)
(BRAIN--DISEASES) (METABOLISM, DISORDERS OF)

BAYMUKHAMEDOV, K.S.; NUGAYEV, R.Ya.; KISLYAKOV, Yu.P.; DEMIN, N.V.;
RUSSKIKH, V.N. [deceased]

Determining the distribution of liquid from specific weight
in beam wells. Nefteprom. delo no.10:25-27 '64.

(MIRA 17:12)

1. Neftepromyslovoye upravleniye "Tymazaneft".

RUSSKIKH, V.N.

Process of demyelination in the cerebral systems in some forms of
schizophrenia. Vop. psikh. no. 3:216-222 '59. (MIRA 13:10)
(BRAIN—DISEASES) (SCHIZOPHRENIA)

SALIMZHANOV, E.S.; BELOV, A.M.; PELEVIN, L.A.; ROSTE, Z.A.; GAZIZOV, Z.S.;
BAYMUKHAMEDOV, K.S.; VALEYEV, F.V.; RUSSKIKH, V.N.

Maximum overall petroleum yield of a flooded well. Izv.vys.ucheb.
zav.; neft' i gaz 5 no.12:39-44 '62. (MIRA 17:4)

1. Moskovskiy institut neftekhimicheskoy i gazovoy promyshlennosti
imeni akademika Gubkina.

BAYMUKHAMEDOV, K.S.; RUSSKIKH, V.N.

Determination of the total yield of oil field fluids. Neft.
khoz. 40 no.7:40-43 J1 '62. (MIRA 17:3)

KISLYAKOV, Yu.P.; DEMIN, N.V.; RUSSKIKH, V.N.

Effect of pressure gradients on the reservoir parameters in the
Tuymazy field. Neft. khoz. 42 no.2:23-28 F '64. (MIRA 17:3)

RUSSKIKH, V.N.; RUSSKIKH, V.V.

Comparative study of the morphology of the synaptic apparatus
under normal conditions, in depancreatization, and in catatonia.
Vop. psikh. no. 3:417-436 1959. (MIRA 13:10)
(NERVOUS SYSTEM)

RUSSKIKH, V.V.; RUSSKIKH, V.N.

Explanation of the nature of hallucinations and delirium in
progressive paralysis. Trudy 1-go MMI 34:298-311 '64.
(MIRA 18:11)

1. Kafedra psikhatrii (zav. - zasluzhennyy deyatel' nauki
prof. V.M. Banshchikov) 1-go Moskovskogo ordena Lenina medi-
tsinskogo instituta imeni Sechenova.

RUSSKIKH, V. V.

"Data on the Study of Affections of the Nervous System During Sugar Diabetes and Depancreatinization." Cand Med Sci, Leningrad Inst for the Advanced Training of Physicians, Leningrad, 1953. (RZhBiol, No 6, Nov 54)

Survey of Scientific and Technical Dissertations Defended at USSR Higher Educational Institutions (11)

SO: Sum. No. 521, 2 Jun 55

RUSSKIKH, Vadim.; SHUKHAT, A.P.

Studies on the skeletal system in Daun's disease. *Pediatrics* no.5:
49-53 S-0 '53. (MLRA 6:12)

1. Iz otdeleniya izucheniya razvitiya mozga (zaveduyushchiy - laureat
Stalinskoy premii professor B.N.Klosovskiy) i rentgenologicheskogo
otdeleniya (zaveduyushchiy - kandidat meditsinskikh nauk A.P.Shukhat)
Ordена Trudovogo Krasnogo Znamenii Instituta pediatrii Akademii medi-
tsinskikh nauk SSSR (direktor - professor M.N.Kazantseva).
(Deformities)

RUSSKIKH, Vad.

Effect of excision of the pancreas on the parasympathetic innervation of the heart. Biul. eksp. biol. i med. 38 no.12:26-28 D '54. (MIRA 8:3)

1. Iz Instituta pediatrii AMN SSSR, Moskva.
(HEART, innervation,
vagus, eff. of pancreatectomy in dogs)
(NERVES, VAGUS,
heart, eff. of pancreatectomy in dogs)
(PANCREAS, effect of excision,
on vagus innervation of heart in dogs)

KLOSOVSKIY, B.N., professor; RUSSEKIKH, Vadim

Use of glutamic acid in cerebral hypoplasia of the type of Down's disease. *Pediatr* no.2:42-47 Mr-Apr '55. (MLRA 8:8)

1. Iz otdeleniya izucheniya razvitiya mozga Instituta pediatrii (dir.-chlen korrespondent AMN SSSR prof. O.D. Sokolova-Ponomareva) Akademii meditsinskikh nauk SSSR.

(BRAIN, abnormalities,

hypoplasia, ther., glutamic acid)

(ABNORMALITIES,

hypoplasia of brain, ther., glutamic acid)

(GLUTAMATES, therapeutic use,

brain hypoplasia

RUSSKIKH, V.V., kandidat meditsinskikh nauk; LEBEDEV, B.V.

Vestibular disorders in Down's disease. Vest. oto-rin. 17 no.5:
42-44 S-0 '55. (MLBA 9:2)

1. Iz otdeleniya izucheniya razvitiya mozga (zav.--chlen-korrespondent
AMN SSSR prof. B.N. Klosovskiy) Instituta pediatrii AMN SSSR
(Konsul'tant--prof. O.G. Ageyeva-Maykova)

(MENTAL DEFICIENCY,
Down's oligophrenia, vestibular disord. in)
(VESTIBULAR APPARATUS, in various diseases,
oligophrenia of Down)

VOLKOVA, T.N.; ~~RUSSKIKH, Vadim~~

Use of glutamic acid and characteristics of excretion of certain amino acids in Down's disease. Zhur.nevr. i psikh. 56 no.9:750-756 (MIRA 9:11) 1956.

1. Otdel obshchey patologii (zav. - prof. N.M.Nikolayev) i otdel izucheniya razvitiia mozga (zav. - prof. B.N.Kosovskiy) Instituta pediatrii AMN SSSR.

(MONGOLISM,

glutamic acid ther. & urinary amino acids (Rus))

(AMINO ACIDS, in urine,
in mongolism (Rus))

(GLUTAMATES, therapeutic use,
mongolism (Rus))

RUSSKIKH, Valentin Nikolayevich; RUSSKIKH, V.Y.

[Analysis of the structural changes and pathogenesis of brain diseases; dysplasia of the brain and the dystrophic processes related to metabolic disturbances] Analiz strukturnykh izmenenii i patogenez boleznei mozga; displazii mozga i distroficheskie protsessy, svyazannye s narusheniem obmena veshchestv. Moskva, 1959. 383 p. (MIRA 13:2)

(BRAIN--DISEASES)

(METABOLISM, DISORDERS OF)

RUSSKIKH, V.N.; RUSSKIKH, V.V.

Comparative study of the morphology of the synaptic apparatus
under normal conditions, in depancreatization, and in catatonia.
(MIRA 13:10)
Vop. psikh. no. 3:417-436 1959.
(NERVOUS SYSTEM)

GNOYEVA, V.L.; KNYLOVA, M.I.; RUSSKIKH, V.V.

Evaluation of the new insecticide methylethylthiophos with special reference to food hygiene. Gig. i san. 24 no.5:34-38 May '59. (MIRA 12:7)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta sanitarii i gigiyeny imeni F. F. Erismana Ministerstva zdavookhraneniya RSFSR.
(PHOSPHATES, toxicity,
methylethylthiophos, animal studies (Rus))

SAVELOVA, V.A.; RUSSKIKH, V.V.

Experimental data for the hygienic permissibility of nitrocyclohexane
in water reservoirs. Gig. i san. 26 no.5:9-14 My '61. (MIRA 15:4)

1. Iz Moskovskogo nauchno-issledovatel'skogo instituta gigiyeny
imeni F.F.Erismana Ministerstva zdravookhraneniya RSFSR.
(WATER—POLLUTION) (CYCLOHEXANE)

RUSSKIKH, V.V., kand. med. nauk

Treatment of Down's disease. Trudy 1-go MMI 25:374-381 '63.
(MIRA 17:12)

1. Kafedra psikhatrii 1-go Moskovskogo ordena Lenina meditsinskogo
instituta imeni I.M.Sechenova (zav. kafedroy prof. V.M.Banshchikov).

RUSSKIKH, V.V.

Pathomorphological studies in works of the staff members of
S.S. Korsakov Clinic. Trudy 1-go MMI 34:68-73 '64.

So-called "incrustation" in ganglion nerve cells in methanol
intoxication. Ibid.:557-562 (MIRA 18:11)

1. Kafedra psikiatrii (zav. - zasluzhennyi delatel' nauki
prof. V.M. Banshchikov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni Sechenova.

RUSSKIKH, V.V.; RUSSKIKH, V.N.

Explanation of the nature of hallucinations and delirium in
progressive paralysis. Trudy 1-go MMI 34:298-311 '64.
(MIRA 18:11)

1. Kafedra psikhiiatrii (zav. - zasluzhennyy deyatel' nauki
prof. V.M. Banshchikov) 1-go Moskovskogo ordena Lenina medi-
tsinskogo instituta imeni Sechenova.

L 41177-66 T JK

ACC NR: AP6030836

SOURCE CODE: RU/0023/66/011/001/0031/0039

AUTHOR: Rusu, V. (Doctor); Andronesu, C.--Andronesku, K. (Doctor); Borsai, L.--Borshay, L. (Doctor); Marion, M. (Doctor); Baron, O. (Doctor) 24

ORG: "Dr. I. Cantacuzino" Institute of Microbiology, Parasitology and Epidemiology³
(Institutul de microbiologie, parazitologie si epidemiologie "Dr. I. Cantacuzino")

TITLE: Considerations on the etiological diagnosis of listerian meningitis⁶ [This paper was presented at Scientific Session "100th Birthday of Professor I. Cantacuzino" held in November 1963.]

SOURCE: Microbiologia, parazitologia si epidemiologia, v. 11, no. 1, 1966, 31-39

TOPIC TAGS: diagnostic medicine, bacteriology, infective disease

ABSTRACT:

In view of the difficulties encountered in the first case in Rumania of an identified human strain of Listeria monocytogenes, the authors discuss: observations relating to each stage of the diagnosis, with emphasis on unusual aspects; the establishment of a differential diagnosis and avoidance of confusion with other germs such as corinebacteria, enterococci, etc.; a diagnostic scheme for the diagnosis of human listeriosis, especially neurolisteriosis, adaptable for use in any bacteriological laboratory. The authors thank Professor N. Stamatin for the supply of corinebacteria and erisipelotrix provided. The authors also thank Doctor Al. Pop. for assistance with the diagnosis. Orig. art. has:

1 table. /JPRS: 35,814/

SUB CODE: 06 / SUBM DATE: 02Feb65 / ORIG REF: 005 / OTH REF: 008

Card 1/1

SAVELOVA, V.A.; RUSKIKH, V.V.

Experimental data on the toxicology of nitrocyclohexane. Farm.
i toks. 25 no.5:622-628 S-O '62 (MIRA 18:1)

1. Moskovskiy nauchn-issledovatel'skiy institut gigiyeny
imeni F.F. Erismana.

FOKIN, Ye.P.; ANDRIYEVSKAYA, O.I.; RUSSKIKH, V.V.

1-Diethyl- and 1-dibutylaminoanthraquinones and thermal
dealkylation of 1-diethylaminoanthraquinone. Izv. Sib.
otd. AN SSSR no.7:103-106 '62. (MIRA 17:8)

1. Institut organicheskoy khimii Sibirskogo otdeleniya AN
SSSR, Novosibirsk.

SAVELOVA, V.A.; RUSSKIKH, V.V.

Experimental basis for standardizing the concentration of
nitrocyclohexane in bodies of water. San.okhr.vod.ot zagr.prom.
stoch.vcd no.5:348-355 '62. (MIRA 17:6)

1. Moskovskiy nauchno-issledovatel'skiy institut gigiyeny imeni
F.F.Erismana.

SAVELOVA, V.A.; BRUK, Ye.S.; KLIMKINA, N.V.; RUSSKIKH, V.V.

Experimental basis for the permissible concentration of cyclohexanol
in bodies of water. San.okhr.vod.ot zagr.prom.stoch.vod no.5:
79-93 '62. (MIRA 17:6)

1. Moskovskiy nauchno-issledovatel'skiy institut sanitarii i
gigiyeny imeni F.F.Erismana.

RUSSEIKH, V.V., kand. med. nauk; BANSHECHIKOV, V.M., prof.,
1961.

[Pathogenesis and fundamentals of the contemporary treatment of Down's disease; general fetal dysplasia] O patogeneze i osnovakh sovremennogo lecheniia bolezni Dauna; generalizovannoi fetal'noi displazii. Moskva, Vses. nauchn. med. ob-vo nevropatologov i psikhiatrov, 1963. 133 p.
(MIRA 17:7)

BUKHTIYAROV, A.G.; RUSSKIKH, V.V.; SHCHELKANOVITSEVA, N.I.

Changes in the higher nervous activity, in certain other functions, and in the brain structure of animals under the influence of potassium and calcium salts. Uch.zap.Mosk.nauch.-issl.inst. san i gig. no.3:53-59'60. (MIRA 16:7)

(CONDITIONED RESPONSE) (POTASSIUM SALTS—PHYSIOLOGICAL EFFECT)
(CALCIUM SALTS—PHYSIOLOGICAL EFFECT) (BRAIN)

RUSSKIKH, V.V., kand.med.nauk

Vascular disorders in the brain in methallyl chloride intoxication. Trudy 1-go MMI 21:534-546'63. (MIRA 16:9)

1. Kafedra psikhatrii (zav. - prof. V.M.Benshchikov) 1-go Moskovskogo ordena Lenina meditsinskogo instituta imeni I.M.Sechenova i Patologo-anatomicheskaya laboratoriya Moskovskogo instituta gigiyeny imeni F.F.Erismana.
(CEREBROVASCULAR DISEASE)
(METHALLYL CHLORIDE—TOXICOLOGY)

RUSSKIKH, V.V.

Use of neurohistological methods in experimental toxicological
practice. Uch.zap.Mosk.nauch.-issl.inst.san. 1 gig. no.3:45-52'60.
(MIRA 16:7)

(TOXICOLOGY)

(NEUROLOGY)

BULDAKOV, A.S.; RUSSKIKH, Yu.A.

According to the project of the volunteer design bureau.
Avtom. telem. i svyaz' 8 no.2:22-23 F '64.

(MIRA 17:6)

1. Zamestitel' nachal'nika Klyukvenskoy distantzii signalizatsii i svyazi Vostochno-Sibirskoy dorogi (for Buldakov). 2. Starshiy inzhener Klyukvenskoy distantzii signalizatsii i Vostochno-Sibirskoy dorogi, (for Russkikh).

RUSSKIN, A.

Packing gland of a special design. Prom.Arm. 5 no.10:37
O '62. (MIRA 15:11)
(Kirovakan--Chemical apparatus)

RUSSEY, I.I.; KHOKHRYAKOV, V.S.; TKACHEV, A.F.

Basic problems in transporting overburden rocks and spoil disposal
under the conditions present at the Kochkanar Mining and Ore Dressing
Combine. Trudy Inst.gor.dela UFAN SSSR no.4:125-132 '62.
(MIRA 16:5)

(Kochkanar region—Mining haulage)
(Rocks—Transportation)

TRON, A.Ye., doktor tekhn. nauk, prof.; RUBIN Y, I.I., kand. tekhn. nauk, dotsent

Valuable work on the methodology of mining science. Izv.vys.shech.
zav.igr.zhur. 7 no.9:187-190 '64. (MIRA 1847)

2. Glavnyy spetsialist gosudarstvennogo komiteta Gosplana SSSR po
voprosy promyshlennosti (for Russkiy).

KMITOVENKO, A. T., dotsent; RUSSKIY, I. I., dotsent; NOVICHKOV,
S. I., inzh.

Determining the efficient dimensions of open-pit mine areas.
Izv. vys. ucheb. zav.: gor. zhur. no.9:48-58 '61.
(MIRA 15:10)

1. Sverdlovskiy gornyy institut imeni V. V. Vakhrusheva.
Rekomendovana kafedroy otkrytykh rabot.

(Strip mining)

RUSSKIY, I.I., dotsent

Scientific and technical conference on the complete mechanization and automatization of open-pit mining operations.
Izv. vys. ucheb. zav.; gor. zhur. no.9:145-147 '60.

(MIRA 13:9)

(Strip mining--Congresses)

VASIL'YEV, M. V., doktor tekhn. nauk; RUSSKIY, I. I., kand. tekhn. nauk; FADDEYEV, B. V., kand. tekhn. nauk; SHILIN, A. N., kand. tekhn. nauk; PLYGUNOV, V. S., gornyy inzhener

"Engineers' and technicians' handbook on open-pit mining" by N. V. Mel'nikov. Gor. zhur. no.11:78-79 N '62.
(MIRA 15:10)

(Strip mining) (Mel'nikov, N. V.)

RUSSKIY, Izot Isaakovich, kand. tekhn. nauk; BUKOSLAVSKIY, Yu.K.,
inzh., retsenzent; BYKHOVSKAYA, S.N., red. izd-va;
IL'INSKAYA, G.M., tekhn. red.

[Spoil disposal in open-pit mines] Otval'noe khoziaistvo
kar'erov. Moskva, Gosgortekhnizdat, 1963. 186 p.
(MIRA 16:6)

(Mine haulage)

ALEKSANDROVSKIY, A.; RUSSKIY, A.; TOVMOSYAN, M.Ye., red.; RAKITIN,
I.T., tekhn. red.

[Bourgeois economics at the present-day stage] Burzhuaznaia
politicheskaya ekonomiya na sovremennom etape. Moskva, Izd-vo
"Znanie," 1962. 47 p. (Novoe v zhizni, nauke, tekhnike.
III Seriya; Ekonomika, no.2) (MIRA 15:4)
(Economics)

VASIL'YEV, M.V., gornyy inzh.; KOTOV, V.N., gornyy inzh.; RUSSKIY, I.I.,
gornyy inzh.; KHOKHRYAKOV, V.S., gornyy inzh.; POPOV, S.I.,
gornyy inzh.; SHILIN, A.N., gornyy inzh.; TARAN, M.I., gornyy inzh.;
SHKUTA, E.I., gornyy inzh.

"Strip mining" by M.G.Novozhilov. Reviewed by M.V.Vasil'ev
and others. Gor. zhur. no.7:79-80 J1 '61. (MIRA 15:2)

(Strip mining)
(Novozhilov, M.G.)

KMITOVENKO, A.G., dotsent; RUSSKIY, I.I., dotsent; NOVICHKOV, S.I., inzh.

Determination of the most advantageous dimensions of a pit area
in relation to the number of drawing trenches. Izv. vys. ucheb.
zav.; gor. zhur. 5 no.10:11-17 '62. (MIRA 15:11)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy otkrytykh gornykh rabot.
(Strip mining)

NAYDENOV, Atanas; IVANOV, Dimitr; VUCHEV, Georgi; RUSSKIY, I.I. (Narodnaya Respublika Bolgariya)

Using reinforced concrete supports in Bulgarian People's Republic coal mines. Ugol' 33 no.8:42-46 Ag '58. (MIRA 12:1)

(Bulgaria--Mine timbering)

(Reinforced concrete construction)

Russkiy, I.I.

AUTHOR: Russkiy, I.I.

132-58-4-15/17

TITLE: On the Book of S.F. Vaskovskiy "A Practical Manual on Handling Explosives" - Gosgeoltekhizdat, 1957 (O knige S.F. Vaskovskogo "Prakticheskoye rukovodstvo po obrashcheniyu s vzryvchatymi materialami" - Gosgeoltekhizdat, 1957)

PERIODICAL: Razvedka i Okhrana Nedr, 1958, Nr 4, pp 59-60 (USSR)

ABSTRACT: This is a review of the book of S.F. Vaskovskiy "Practical Manual on Handling Explosives". The book is written in a clear and simple style and the author recommends it for all workers and departments dealing with explosives. It can also be used as a textbook for students of mining schools and institutes.

ASSOCIATION: Sverdlovskiy gornyy institut (The Sverdlovsk Mining Institute)

AVAILABLE: Library of Congress

Card 1/1 1. Explosives-Handling 2. Explosives-Textbooks

RUSSKIY, I.I., dotsent; KHOKHRYAKOV, V.S., dotsent; TKACHEV, A.F., inzh.

Choosing a practical bench height in the mountainous part of the principal strip mine of the Kachkanar Mining and Ore-Dressing Combine. Izv.vys.wcheb. zav.; gor.zhur.no.2:21-30 '61.

(MIRA 14:3)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva. Rekomendovana kafedroy otkrytykh rabot Sverdlovskogo gornogo instituta.
(Kachkanar Mountain—Strip mining)

RUSSKIY, I.I., dotsent

Determining the better length of blind dumps in excavator
waste piling. Izv.vys.ucheb.zav.; gor.zhur. no.7:23-30
'60. (MIRA 13:7)

1. Sverdlovskiy gornyy institut imeni V.V.Vakhrusheva.
Rekomendovana kafedroy otkrytykh rabot.
(Strip mining) (Excavation)

RUSSKIY, I.I., dotsent

Present state and ways of developing dumping operations in
open-cut mining. Izv.vys.ucheb.zav.; gor.zhur. no.1:28-33
'60. (MIRA 13:6)

1. Sverdlovskiy gornyy institut imeni V.V. Vakhrusheva.
Rekomendovana kafedroy otkrytykh rabot.
(Strip mining)

RUSSKII, IZAF ISAKOVICH

204/6 734.1 .r9

Ugol'naya promyshlennost' Bolgarii (The coal industry in Bulgaria)
Moskva, Vuztekhnizdat, 1957.

178(1) p. illus., diagrs., graphs, tables.

Text in Russian.

"Literatura": p. 177-(179)

RUSSKIY, I.I., kand.tekhn.nauk

Coal mining in Bulgaria. Izv.vys.ucheb.zav.gor.zhur. no.3:16-26
'58. (MIRA 12:8)

1. Sverdlovskiy gornyy institut.
(Bulgaria--Coal mines and mining)

RUSSKIY, I.I., dotsent

Joint session of the Urals Branch of the Academy of Sciences
of the U.S.S.R. and the Orenburg Economic Council. Izv.vys.
ucheb.zav.; gor.zhur. no.6:127-128 '59. (MIRA 13:4)

1. Sverslovskiy gornyy institut imeni V.V.Vakhrusheva.
(Ural Mountain region--Mining engineering)

RUSSKIY, I.I., dots., kand.tekhn.nauk

Scientific technological conference in the Urals on open-pit
mine haulage. Izv.vys.ucheb.zav.; gor.zhur. no.3:163-164
'59. (MIRA 13:4)

(Mine haulage--Congresses)

RUSSKIY, I.I.

"Practical guide in the use of explosives" by S.F. Vaskovskii.
Reviewed by I.I. Russkii. Razv. i okh. nedr. 24 no. 4:59-60 Ap
'58. (MIRA 11:5)

1. Sverdlovskiy gornyy institut.
(Explosives—Safety institut)
Vaskovskii, S.F.)

RUSSKIY, Izot Isakovich; NURMUKHAMEDOVA, V.F., red. izd-va; ALADOVA, Ye.I.,
tekhn.red.; LOMILINA, L.N., tekhn.red.

[Coal industry of Bulgaria] Ugol'naia promyshlennost' Bolgarii.
Moskva, Ugletekhizdat, 1958. 178 p. (MIRA 12:1)
(Bulgaria--Coal mines and mining)

RUSSKIY, I. I.

Russkiy, I. I.

"Investigation of the parameters of terraces and the selection of means of mechanizing terrace formation in the transportation system of open-pit coal-mine operations." Min Coal Industry USSR. Academy of the Coal Industry. Moscow, 1956. (Dissertation for the Degree of Candidate in Technical Sciences).

Knizhnaya letopis'
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RUSSKIY, Ivan Mikhaylovich [Rus'kyi, I.M.]; VITVITS'KIY, M., red.;
NEDOVIZ, S., tekhn.red.

[On the road toward a prosperous life] Shliakh do zamozhnoho
zhyttia. L'viv, Knyzhkovo-zhurnal'ne vyd-vo, 1958. 26 p.
(MIRA 12:12)
1. Nachal'nik kolkhoza imeni XX s'yezda Kommunisticheskoy partii
SSSR, Novomilyatinskogo rayona, L'vovskoy oblasti (for Russkiy).
(Novyy Milyatin District---Rural conditions)

1. RUSSKIY, I. S.
2. USSR (600)
4. Coal - Handling Machinery
7. Air-tight chute with automatic trap, Rab. energ. 3, no. 1, 1953.

9. Monthly List of Russian Accessions, Library of Congress, May 1953. Unclassified.

RUSSKOL, L.A. (Kuntsevo Moskovskoy oblasti)

Health education work in schools of Kuntsevo District, Moscow Province.
Fel'd. i akush. 21 no.11:45-46 N '56. (MLRA 9:12)
(KUNTSEVO DISTRICT--HEALTH EDUCATION)

RUSSKOV, M.

The cutter from Zaplavnoye. Prom.koop.no.11:12-13 N '56. (MLRA 9:12)
(Zaplavnoye--Dressmaking)

1. RUSSKOV, M.
2. USSR (600)
4. Igumnova, Kapitchina
7. Tractors go into the field, Krest'yanka, 31, no. 5, 1953.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, Uncl.

RUSSKOV, N.V.; ISHCHUKOVA, M.P.; LAZAREV, I.M. (Kishinev)

Severe course of Reiter's syndrome. Klin.med. 40 no.6:143-
146 Je '62. (MIRA 15:9)

1. Iz gospi'tal'noy terapevticheskoy kliniki (zav. - prof. M.A. Polyukhov) Kishinevskogo meditsinskogo instituta (dir. - kand. med.nauk N.A. Testemitsamu) i Respublikanskoy klinicheskoy bol'nitsy (glavnyy vrach T.V. Moshmyaga).
(REITER'S DISEASE)

RUSSKOV, N.V.

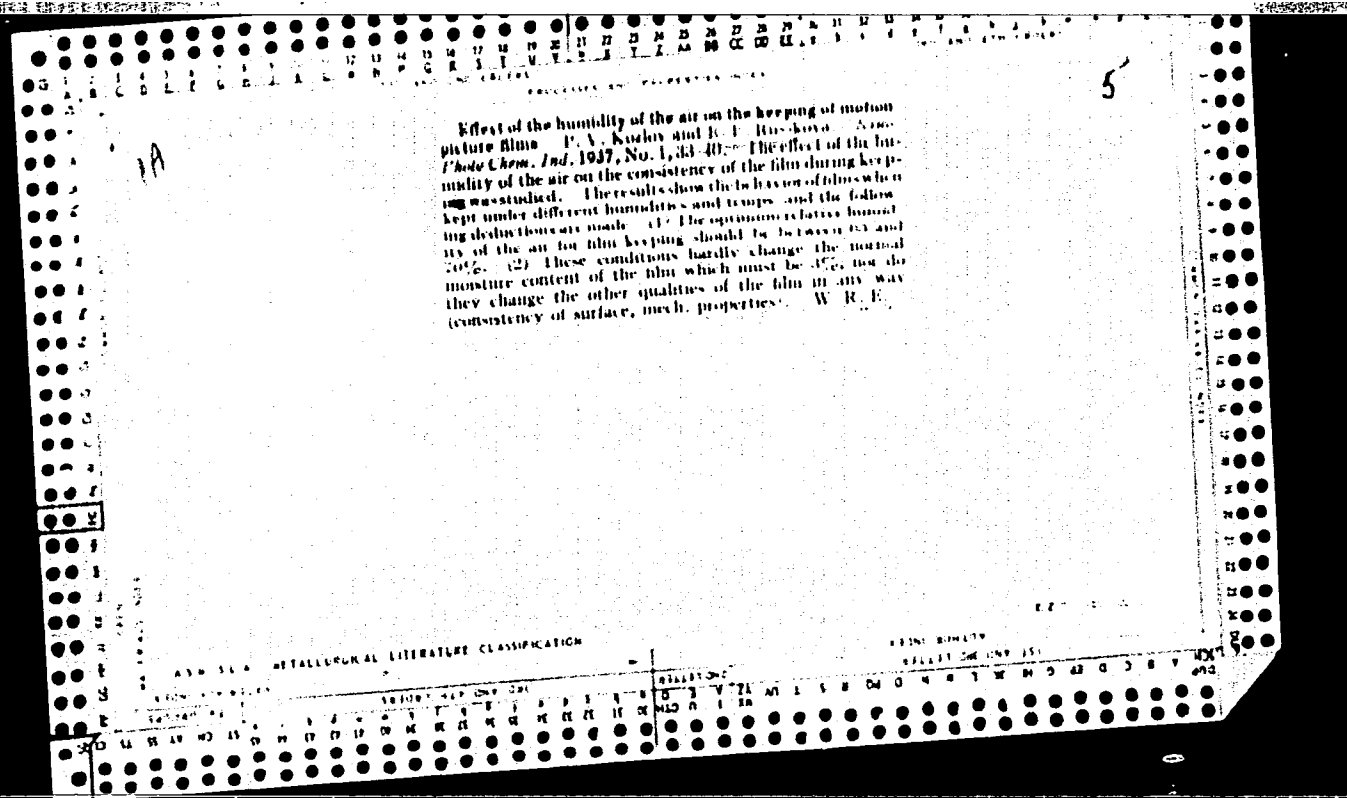
Diagnosis of stenosis of the aortic isthmus. Zdravookhranenie 3
no. 5:57-60 S-0 '60. (MIRA 13:10)

1. Iz kliniki gosptal'noy terapii (zav. - prof. M.A. Polyukhov)
Kishinevskogo meditsinskogo instituta.
(AORTA—DISEASES)

RUSSKOV, N.V.; MARKOVICH, B.Ye.

Case of complete transposition of the position of the internal
organs with tetralogy of Fallot. Zdravookhranenie 3 no.6:57-58
N-D '60. (MIRA 13:12)

1. Iz kliniki gosptal'noy terapii (zav. -prof. M.A.Polyukhov)
Kishinyevskogo meditsinskogo instituta.
(TETRALOGY OF FALLOT)
(VISCERA--ABNORMITIES AND DEFORMITIES)



1ST AND 2ND ORDERS		PROCESSING AND PROPERTIES INDEX	
Decrease of the deformation of nitrocellulose films. P. V. Kozlov and E. P. Rumkova. <i>Kinematokhimiya</i>. From. 1939, No. 3, 23-6; <i>Khim. Referat. Zhur.</i> 1939, No. 7, 120; cf. C. A. 34, 9519. The decrease in the deformation of films (i. e., in the linear decrease of their linear dimen-			
sions) as a result of their treatment with solns. used in photography was investigated. From the better-known and the most-effective methods used for this purpose the methods of drying the films at higher temps. and the treatment of the films with hot H₂O were investigated. An increase in temp. of the H₂O used for the treatment caused a decrease in the deformation of the films. Pro- longed H₂O treatment of the films did not affect the de- crease of the deformation. The optimal treatment of the films was with H₂O at 80° for 5 min. This produced a film with a residual moisture content of not more than 3%. The heat-treatment of the film led to a slight increase in the strength and to a permissible decrease in the limit of expansion of the film. Under production conditions the method for the decrease in the deformation of the films did not change either the properties of the underlayer of the film or the photographic properties of the emulsion, but it decreased the deformation of the film to 0.5% origi- nal value.			
W. R. Henn			
AS - 51 A METALLURGICAL LITERATURE CLASSIFICATION			

RUSSKOVA, YE. F.

Cand Chem Sci

Dissertation: "Plastification of the Esters of Cellulose." 19/1/50

All-Union Sci Res Inst of Cinematography "NIKFI".

SO Vecheryaya Moskva
Sum 71

RUSSKOVA - V.E.F.

Effect of low-molecular-weight compounds on the deformation of nitrocellulose over a wide range of temperatures. P. V. Kozlov and R. E. Russkova / *Doklady Akad. Nauk S.S.S.R.* 95, 585 (1954).—The deformation of nitrocellulose (I) (11.8% N and degree of polymerization 437) (tablets 15 mm. diam., 5 mm. thick, made at 90° and 25 kg./sq. cm.), contg. 0.015–2.0 moles plasticizer (II)/mol. I, was studied at temps. ranging from 20 to 140–50° in the Alexandrov-Gaev app. (cf. Lazurkin, C.A. 34, 2645). The relative deformation of plasticized I was plotted as temp. function. The addn. of low-mol.-wt. compds. (such as camphor, di-Bt or di-Bu phthalate) compatible with I, results in "plastification," i.e. decreased viscosity because of the weakened intermol. bonds in plasticized I and in "elastification," i.e. increased flexibility of chains of I because of the decreased energy level of the potential barrier at junction points. For the addn. of II incompatible with I, such as Bu stearate or castor oil, the increase of strictly elastic properties of I is characteristic and is connected with a decreased d. of the chain packing. This type of plastification is of importance in the manuf. of articles from rigid polymers which, because of their final uses, must be vitrified.

Elisabeth Baranovich

Russkova, E. F.

USSR/Chemistry - Physical chemistry

Card 1/1 Pub. 22 - 28/47

Authors : Kozlov, P. V.; and Russkova, E. F.

Title : Effect of molecular weight on nitrocellulose conversion temperatures

Periodical : Dok. AN SSSR 99/1, 105-108, Nov 1, 1954

Abstract : The mechanical properties of pure nitrocellulose were investigated in relation to the molecular weight of the product. The very same properties were also studied after the introduction of low-molecular substances into this polymer. The temperatures leading to the conversion of nitrocellulose from vitreous state into high-elastic and viscous-flowing states was determined. Results show that nitrocellulose, having the most rigid chains in comparison with other polymers and being elastified by a low-molecular substance, can be converted into all-three mentioned physical states which are characteristic for amorphous-liquid linear polymers. Four USSR references (1949-1954). Table; graphs.

Institution : The All-Union Scientific Research Motion Picture-Photo Institute

Presented by: Academician P. A. Rebinder, March 22, 1954

KOZLOV, P.V.; RUSSKOVA, Ye.F.

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Silicon aluminum joint Yu. R. Nosov and E. V.
Nosov. ~~1984~~ 1984. ~~1984~~ 1984. ~~1984~~ 1984. ~~1984~~ 1984.
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